DEPARTMENT OF THE ARMY
OFFICE OF THE DEPUTY CHIEF OF STAFF FOR LOGISTICS
500 ARMY PENTAGON
WASHINGTON, DC 20310-0500

DALO-SSF (710) 26 April 2000

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Installment of Single Stock Fund (SSF) Middleware Servers on Installation Local Area Networks (LANs)

1. We have completed the process of installing the SSF Middleware cluster server hardware at the non-Army Materiel Command (AMC) installation SSF Demonstration site Corps Theater Automated Data Processing Service Center (CTASC) computers. Since we will be subsequently installing this hardware cluster on the remainder of the Active Component, U.S. Army Reserve, and an Army National Guard CTASC beginning this summer, I wanted to update you on the configuration of this hardware and its installation on your LANs.

2. We had initially planned to install Dell Xeon servers at each CTASC in order to apply SSF logic modifications to transactions between the CTASC SARSS-2AC/B and the SARSS Gateway. However, in an agreement with PM Global Combat Service Support – Army (GCSS-Army), we decided to more closely align the SSF hardware architecture to the GCSS-Army architecture by using the GCSS-Army hardware. This hardware, which will eventually replace the CTASC, is a Hewlett-Packard NetServer LH4r 2 Server NT Cluster with dual 500 MHz Pentium III Xeon processors. This architecture delivers significant increases in reliability, expansion potential, and processing capacity.

3. Following Microsoft guidelines, our intent is to install this cluster server on the installation LAN in its own domain; i.e., as a Primary Domain Controller (PDC). The purpose of this configuration is for "fail-over recovery" from a hardware fault. If a hardware fault occurs in the SSF Middleware cluster and it is not within its own domain, the "fail-over" can hang the entire server. This would halt CTASC off-post processing until the Middleware hardware fault is repaired and Middleware software is restored. By installing the server as a PDC, we negate the potential that the SSF Middleware cluster could bring down the entire LAN.

4. There are no plans to implement the SSF Middleware cluster in an Active Directory Services

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5. The use of the SSF cluster as a PDC has been approved by the Information Systems Engineering Command (ISEC) and certified for Interim Authority To Operate prior to the SSF Demonstration start date of 1 May 00. This cluster configuration has proven to be one of the most secure unclassified servers that ISEC has reviewed to date. Their preliminary results will be re-examined before operations commence at the Demonstration sites. A final configuration report will be submitted by ISEC to the Designated Approving Authority, BG Curry, DALO-PLI, for approval and inclusion in the final security accreditation documents.

6. I trust that this explanation of the upcoming systems architecture configuration for SSF will satisfy concerns about reliability and security of your installation hardware architecture. Request you disseminate this information to your installations and activities, especially respective staff and installation Directors of Information Management, to ensure understanding of our approach.

7. DALO-SSF is Mr. Don Hartzell, DSN 767-0452, email: dhartzell@hqamc.army.mil.

FOR THE DEPUTY CHIEF OF STAFF FOR LOGISTICS:

/signed/ Donald E. Hartzell
for SUE L. BAKER
Program Manager
Single Stock Fund

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